

L35 ANSWER 249 OF 272 HCAPLUS COPYRIGHT 2006 ACS on STN
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 TITLE: Monocyclic peptide and its use
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 PATENT ASSIGNEE(S): Sandoz A.-G., Switz.
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 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PRIORITY APPLN. INFO.:			CH 1978-10775	19781018

AB A new cyclic undecapeptide antibiotic, cyclosporin F [83574-28-1], is produced by fermentation with *Tolypocladium inflatum*. Thus, 500 L of a medium containing glucose 40, Na caseinate 2, (NH₄)₃PO₄ 2.5, MgSO₄·7H₂O 5, KH₂PO₄ 2, NaNO₃ 3, KCl 0.5, and FeSO₄ 0.01 g/L was inoculated with a preculture of NRRL 8044 and incubated at 27° for 13 days with stirring and aeration. The broth was extracted with BuOAc and the extract was concentrated and defatted by separation between 9:1 MeOH-H₂O and petroleum ether. The MeOH phase was concentrated under vacuum and pptd by addition of H₂O. Cyclosporin F was purified from the precipitate by chromatog. on Sephadex LH-20 and Kieselgel 60. Cyclosporin F inhibited *Aspergillus niger* and *Curvularia lunata* and had immunosuppressant activity.

IT 83574-28-1P

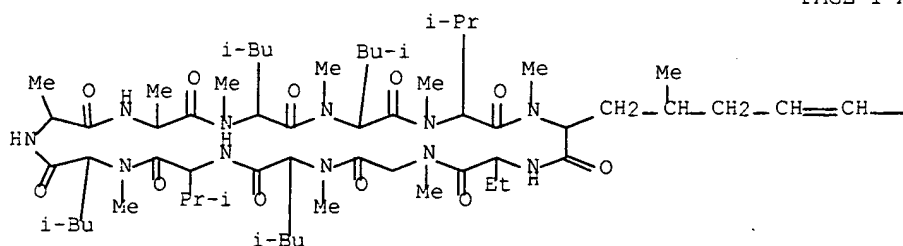
RL: BMF (Bioindustrial manufacture); BIOL (Biological study); PREP
 (Preparation)

(manufacture of, with *Tolypocladium inflatum*)

RN 83574-28-1 HCAPLUS

CN Cyclosporin F (9CI) (CA INDEX NAME)

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